embodiment, where the light reactive agent 14 is LS11, at least one of the wavelengths is 664 nm. Where the light reactive agent 14 is verteporfin, at least one of the wavelengths is 689 nm. In this arrangement, the control circuit 30 may comprise a printed circuit board on which the LED's are mounted.

[0059] As FIG. 2 shows, the various components of the system 10 as just described can be consolidated for use in a functional kit 44. The kit 44 can take various forms. In the illustrated embodiment, the kit 44 comprises a sterile, wrapped assembly including an interior tray 46 made, e.g., from die cut cardboard, plastic sheet, or thermo-formed plastic material, which hold the contents. The kit 44 also preferably includes directions 48 for using the contents of the kit 44 to carry out a desired procedure.

[0060] In the illustrated embodiment, every component of the system 10 is contained within the kit 44. Of course, various components can be provided in separate packaging. In this arrangement, the directions 48 still instruct use of the various components separately provided as a system 10.

[0061] The directions 48 can, of course vary. The directions may be physically present in the kit 44, but can also be supplied separately. The directions 48 can be embodied in separate instruction manuals, or in video or audio tapes, CD's, and DVD's. The instructions for use can also be available through an internet web page. The directions 48 instruct the practitioner how to use the system 10 to carry out the intended therapeutic treatment. The directions 48 incorporate a method of treatment using the system 10.

[0062] FIGS. 4 to 14 show a representative method of using the system 10 shown in FIG. 1 to treat a vascular condition such as spider veins, which the directions 48 can express in part or in its entirety. As FIG. 4 shows, the method identifies a site where the targeted condition exists, i.e., where the spider veins are present. This site is called the targeted treatment site 50. The spider veins are usually easily identifiable by a trained practitioner. They are often red or blue and close to the surface of the skin. They possess branches or "spider webs" with short jagged lines. Spider veins can be found on the legs and face. They can cover either a very small or very large area of skin.

[0063] In the illustrated embodiment, the light reactive agent 14 is to be administered intravenously. In this arrangement, an appropriate injection site 52 is identified, as shown in FIG. 5. The injection site 52 is where a selected light reactive agent 14 will administered intravenously by the system 10 for delivery to the targeted treatment site 50. Desirably, the injection site 52 offers venous access at a distance from the targeted treatment site 50 in an upstream blood flow direction (i.e., the injection site 52 is farther from the heart than the treatment site 50). In this manner, the light reactive agent 14, when injected intravenously, is allowed to become systemic and will be conveyed by venous blood flow toward the heart to the targeted treatment site 50.

[0064] As FIG. 6 shows, the method prepares the light reactive agent 14 for introduction. In the illustrated embodiment, prescribed volume of the light reactive agent 14 is drawn into the syringe 18. The volume to be injected in dependent upon the therapeutic dose that is prescribed, which is, in turn, dependent upon the concentration of the light reactive agent 14 in solution, as well as the morphology of the targeted treatment site 50.

[0065] Typically, VISUDYNE® material is commercially reconstituted in saline or glucose solution at desired concentration of about verteporfin 2 mg/mL. At this concentration, a typical dose for a spider vein region can be in the order of 1 cc to 5 cc, but this dosage will of course depend upon the physiology of the individual, including the size and depth of the target treatment site 50, the skin type of the individual, and the body size of the individual. The dosage can be determined by clinical study by physical measurements and titration, or can be selected empirically based upon general anatomic considerations, or a combination of these and other considerations.

[0066] As FIG. 7 shows, the method injects the light reactive agent 14 intravenously at the injection site 52. In the illustrated embodiment, the syringe 18 needle injects directly into a vein. An IV catheter may be used, through which the light reactive agent 14 is injected by syringe or other suitable IV pumping device.

[0067] The rate of delivery is dependent upon the nature and dosage of the light reactive agent 14 as well as the physiology of the individual being treated. It is desirable to avoid discomfort to the individual, and the rate of delivery selected has this as its primary objective.

[0068] It is believed that, given the concentration and volume of the VISUDYNE® material being injected in the illustrated embodiment, an injection period of 20 to 30 seconds is acceptable.

[0069] A period of time desirably occurs after injection (as the clocks C in FIGS. 7 and 8 indicate), to allow the light reactive agent 14 to become systemic. As FIG. 9 shows, verteporfin V, once injected, attaches to lipoproteins LP in the plasma. The lipoproteins LP carry the verteporin V to the targeted treatment site 50, as FIG. 10 shows. This exposes endothelium of the spider veins to the verteporin V carried by the lipoproteins LP.

[0070] The optimal time period to allow systemic distribution of the light reactive agent 14 in this manner to the targeted treatment site 50 following injection can be determined by clinical study by physical measurements, or can be selected empirically based upon general anatomic considerations, or a combination of these and other considerations.

[0071] As FIG. 11 shows, after allowing a selected time period after injection to pass, the method operates the photoactivation device 20 to apply light having prescribed characteristics to the targeted treatment site 50. These prescribed characteristics include the wavelength and may also include, but are not necessarily limited to, a desired intensity, a desired spot size, and a desired duration of exposure. The wavelength will depend upon the light reactive agent 14 selected. The intensity, spot size, and duration of exposure of the applied light will depend upon the physiology of the individual being treated and the operating parameters of the system 10, e.g., upon the size of the treatment site 50; the depth of the treatment site 50; the skin type of the individual; the body size of the individual; the distance between the light transmitting end 28 of the housing 24 and the skin surface; the time of exposure; and the pattern of applying the light. Optimal operating characteristics for the photoactivation device 20 can be determined by clinical study by physical measurements, or can be selected empirically based upon general anatomic considerations, or a combination of